

Notice of Allowability

Application No.

09/718,679

Applicant(s)

SHOREY ET AL.

Examiner

Robert C. Scheibel

Art Unit

2666

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 5/2/2005.
2. ☒ The allowed claim(s) is/are 22-27 and 29-34, renumbered 1-12.
3. ☒ The drawings filed on 02 May 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20050509</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in telephone interviews with Mohammad Rahman on 5/9/2005 and 5/12/2005.

The application has been amended as follows:

In lines 20-21 of page 12 of the specification, "the system the system" has been corrected to --the system--.

In lines 15-16 of page 13 of the specification, "If no the other hand" has been corrected to --If on the other hand--.

In claim 22, lines 11-12, "when the first level of packet loss has been recovered" has been corrected to --when a first level of packet loss occurs--.

In claim 22, lines 13-14, "when a first level of packet recovery occurs" has been corrected to --when the first level of packet loss has been recovered--.

In claim 29, lines 15-16, "when the first level of packet loss has been recovered" has been corrected to --when a first level of packet loss occurs--.

In claim 29, lines 17-18, "when a first level of packet recovery occurs" has been corrected to --when the first level of packet loss has been recovered--.

The original abstract has been replaced with the following paragraph:

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--A method for improving TCP throughput over lossy communication links without affecting performance over non-lossy links comprises determining lookahead-loss which is the number of lost packets in a given loss-window; using the loss-window and lookahead-loss to detect congestion in the communication links; and controlling transmission under congestion conditions and under normal conditions, wherein the controlling transmission comprises controlling a size of the loss-window by beginning in a slow-start phase; advancing to a congestion avoidance phase when a slow-start threshold is reached; entering a halt growth phase when the first level of packet loss has been recovered; returning to the congestion avoidance phase when a first level of packet recovery occurs; entering a k-recovery phase when a second level of packet loss occurs. The loss window and slow-start threshold are reduced in half and returned to the congestion avoidance phase when the second level of packet loss has been recovered.--

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert C. Scheibel whose telephone number is 571-272-3169. The examiner can normally be reached on Monday and Thursday from 6:30-5:00 Eastern Time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Seema S. Rao can be reached on 571-272-3174. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

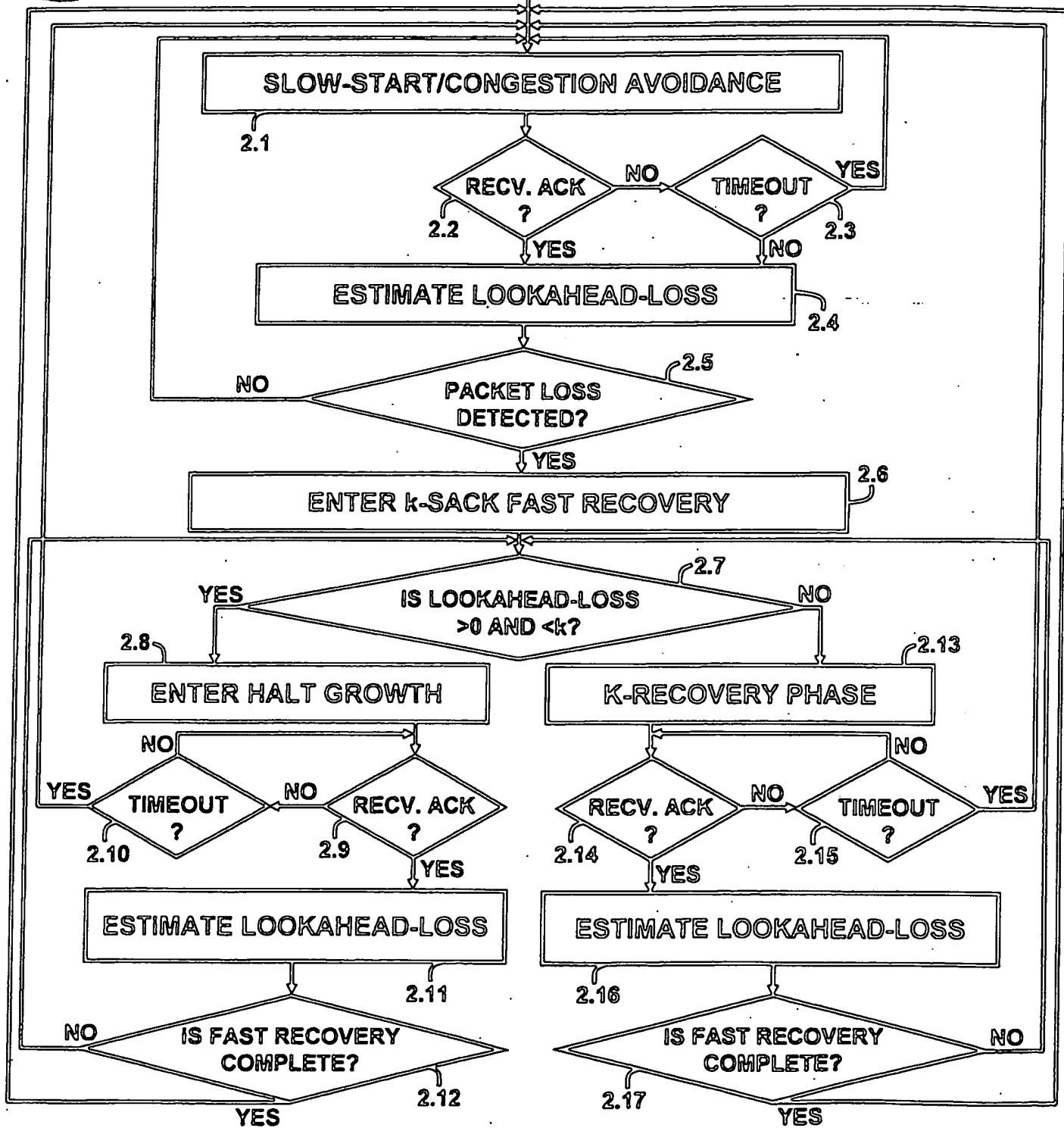
RC 5-12-05

Robert C. Scheibel
Examiner
Art Unit 2666

Seema S. Rao
SEEMA S. RAO 5/16/05

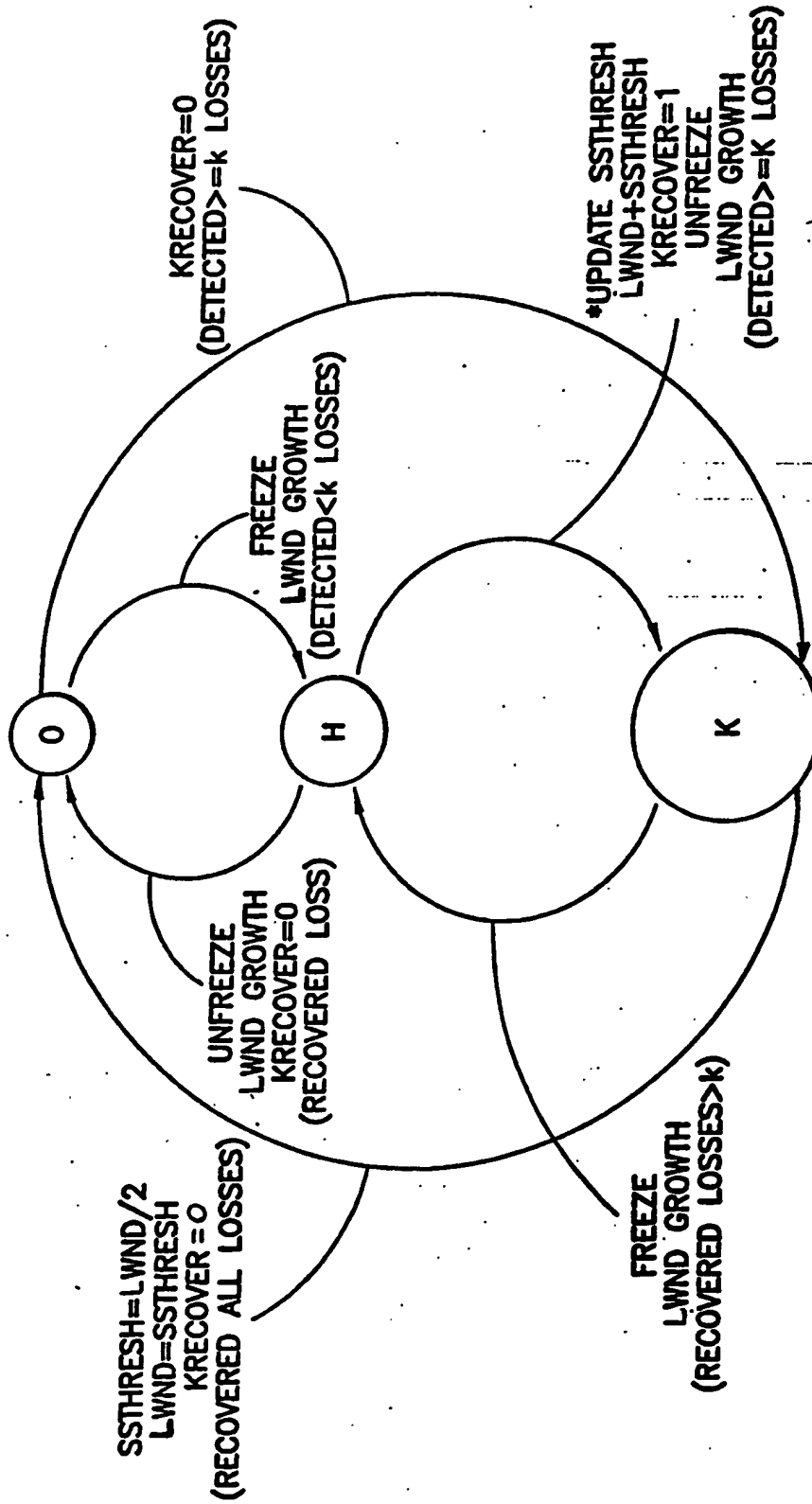
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FIG. 2





REPLACEMENT SHEET



- (O) - SLOW START/CONGESTION AVOIDANCE PHASE
- (H) - HALT GROWN PHASE
- (K) - KRECOVERY PHASE

* IF KRECOVER=0 SSTHRESH=LWND/2
ELSE SSTHRESH=SSTHRESH

FIG.3

6k
RCS